All search links under 1000 hits
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EAST Search History

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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/586468	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:20
S2	23	(Marra adj Claudio) or (Marra adj Andrea)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:21
S3	6	("4305560" | "6352227").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 13:22
S4	15	("0936379" | "1186428" | "3197552" | "5109321" | "5921694").PN. OR ("6352227").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:22
S5	749	362/418.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:25
S6	22	("1063220" | "1279803" | "1605920" | "1894991" | "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:27
S7	83	("0559293" | "0599543" | "0928744" | "1049345" | "1714158" | "1788797" | "3019552" | "3784196" | "3897141" | "3960376" | "4305560" | "4464861" | "4495550" | "D043675").PN. OR ("5385500").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:28
S8	1631	"362".clas. spiral$4 (joint$4 or pivot$4 or rotat$4 or flex or flexibl$4 or hinge$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:29
S9	460	"362".clas. (spiral$4 with (joint$4 or pivot$4 or rotat$4 or flex or flexibl$4 or hinge$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:30
S10	28	("3176123" | "3677867" | "3819459" | "4145731").PN. OR ("6048590").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:36
S11	14	("5359502" | "5413825" | "5438840" | "6027228" | "6039458" | "6048590" | "6132063" | "6139168" | "6272584").PN. OR ("6379021").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:39

S12	30	("1778597" | "2113038" | "2919810" | "3096943" | "3674612" | "3677867" | "4404621" | "4736282" | "4968541" | "5359502" | "5823659" | "D287769" | "D347598" | "D374097").PN. OR ("6132063").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:40
S13	341	362/157-208.ccls. spiral$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:44
S14	1	(09/941930).APP.	USPAT; USOCR	AND	ON	2010/07/28 13:48
S15	4	("6280050").PN. OR ("6718136").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:48
S16	45	("2648762" | "3111277" | "3881468" | "4495550" | "5154483" | "5571279" | "5707137" | "5716121" | "5722764" | "6004004" | "D166073" | "D268442" | "D283645" | "D302325" | "D341220" | "D377989" | "D378858" | "D379540" | "D379541" | "D379542" | "D380061" | "D380844" | "D381101" | "D381445" | "D381446" | "D381447" | "D382075" | "D383231" | "D385637" | "D387454" | "D390985" | "D392758" | "D394721").PN. OR ("6280050").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 13:48
S18	14	"362".clas. "403".clas. spiral$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 14:23
S19	113	248/416.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:25
S20	22	("0434743" | "0584795" | "1541752" | "1636211" | "3409265").PN. OR ("4527225").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:25
S21	714	"362".clas. spiral$4 (joint$4 or pivot$4 or rotat$4 or flex or flexibl$4 or hinge$4) (flat or collaps$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:26
S22	7	"362".clas. 285/179-181.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:27
S23	304	"362".clas. "285".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:27
S24	22	("1063220" | "1279803" | "1605920" | "1894991" | "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:30
S25	30	("0719662" | "3010013" | "3742209" | "3774773" | "3821852" | "3902246" | "4037861" | "4209192" | "4305560" | "4402481" | "4532672" | "4538967" | "4592526" | "4615191" | "4657217").PN. OR ("4714222").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:30

S28	1	(10/144594).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:39
S27	5	("20030210543" | "5975712" | "6626556").PN. OR ("6854861"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:39
S26	2	("2003/0210543").URPN.	USPAT	AND	ON	2010/07/28 14:39
S29	78	("1369644" | "2467954" | "2648762" | "3103723" | "3111277" | "3881468" | "4228485" | "4290095" | "4346329" | "4495550" | "4733337" | "4841417" | "4967330" | "5154483" | "5369556" | "5417207" | "5571279" | "5615945" | "5707137" | "5716121" | "5717276" | "5722764" | "5975712" | "6000809" | "6004004" | "6007214" | "6280050" | "6428179" | "6491408" | "6575593" | "6680844" | "D166073" | "D185496" | "D238604" | "D268442" | "D283645" | "D302325" | "D341220" | "D346871" | "D349354" | "D374734" | "D377989" | "D378858" | "D379540" | "D379541" | "D379542" | "D380061" | "D380844" | "D381101" | "D381445" | "D381446" | "D381447" | "D382075" | "D383231" | "D385637" | "D387454" | "D390985" | "D392758" | "D394721" | "D403451" | "D407508" | "D418235" | "D419704" | "D429534" | "D430321" | "D452024" | "RE38014").PN. OR ("6874908").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:39
S30	48	"362".clas. spiral$4 (joint$4 with (pivot $4 or rotat$4 or flex or flexibl$4 or hinge$4)) rigid$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:40
S31	22	("2416160" | "3945337" | "3952727" | "3961596" | "3972302" | "4241328" | "4309741" | "4656564" | "4825191" | "4889303" | "4889373" | "4894755" | "5099222" | "5418696").PN. OR ("5872510").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:42
S32	28	("1714353" | "1746120" | "3501742" | "4020458" | "4430638" | "4449167" | "4575189" | "4613847").PN. OR ("4825191").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:42
S33	25	("1987863" | "20030081413" | "20030223231" | "20070153509" | "2052425" | "2879319" | "3221432" | "4176896" | "4245874" | "4439818" | "4700017" | "4825191" | "5655322" | "5702176" | "6297498" | "6305822" | "6726348" | "6773140" | "7118251" | "7142103" | "7296912").PN. OR ("7540627").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:43
S34	1	(10/066196).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:45

S36	10	("4249074" | "4737632" | "5003169" | "5198661" | "5281809" | "5302942").PN. OR ("6297498"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:45
S35	88	("2298824" | "2535372" | "2555000" | "3064121" | "3117728" | "3154281" | "3404268" | "3602759" | "3753036" | "3798481" | "3913849" | "3946203" | "4056724" | "4070498" | "4080067" | "4105910" | "4109303" | "4123862" | "4130429" | "4144452" | "4156270" | "4156893" | "4163502" | "4180164" | "4204273" | "4222880" | "4234817" | "4240130" | "4260219" | "4264124" | "4287555" | "4306758" | "4318163" | "4432043" | "4439818" | "4449169" | "4454569" | "4475236" | "4545302" | "4572989" | "4574336" | "4607317" | "4621309" | "4658289" | "4680275" | "4745285" | "4749061" | "4753704" | "4804845" | "4837162" | "4929561" | "4930008" | "4954891" | "4989215" | "5037615" | "5037763" | "5060125" | "5072535" | "5097135" | "5130548" | "5138223" | "5170100" | "5173637" | "5174647" | "5182660" | "5189339" | "5201576" | "5221139" | "5235497" | "5355290" | "5377086" | "5386353" | "5436816" | "5448460" | "5452187" | "5555162" | "5727871" | "6059424" | "6198292" | "RE37310").PN. OR ("6702453").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:45
S37	481	362/249.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 14:49
S38	62	"362".clas. spiral$4 (joint$4 or pivot$4 or rotat$4 or flex or flexibl$4 or hinge$4) modular$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:50
S39	1	(09/984691).APP.	USPAT; USOCR	AND	ON	2010/07/28 14:54
S40	5	("3551723" | "4521835" | "4908743"). PN. OR ("6547418").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:54
S41	72	362/122-124.ccls. spiral$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:55
S42	10	("3163574" | "4145731" | "5336536" | "5359502" | "6048590" | "6132063" | "6379021" | "7152998" | "7311421").PN. OR ("7490950"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:57
S43	36	("2731752" | "2841901" | "3176123" | "3677867" | "4620270").PN. OR ("5336536").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 14:57
S44	15	("2841901").URPN.	USPAT	AND	ON	2010/07/28 14:59

S45	467	428/8,20.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/28 15:01
S46	3	("1933495").PN. OR ("7232596"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:02
S47	13	("1654427" | "3595209" | "4142012" | "4654991" | "4749088" | "4855880" | "4903846" | "5455750" | "6648283" | "7163725" | "7232596").PN. OR ("7445823").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:03
S48	4	"362".clas. spiral$4 (knockdown$4 or (knock adj down$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:04
S49	23	"362".clas. (spiral$4 with collaps$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:04
S50	12	("20020085382" | "20020085383" | "3180982" | "4354222" | "4718402" | "5375048" | "6315434" | "6386739" | "6443599" | "6443600").PN. OR ("6808294").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:05
S51	13	("0566255" | "20040080950" | "3162377" | "3180982" | "3194959" | "6439746" | "6808294").PN. OR ("6960004").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:05
S52	32	"362".clas. (coil with collaps$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:07
S53	21	("2916843" | "3603780" | "3797149" | "3819459" | "3865676" | "4315376" | "5057976" | "5359502" | "5758948" | "5942294" | "6139168" | "6334694" | "D324832" | "D325134" | "D357432" | "D417413" | "D462031"). PN. OR ("6773134").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:09
S54	19	("3704366" | "4278481" | "4620270" | "4968541").PN. OR ("5094893"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:17
S55	9	("3176123").URPN.	USPAT	AND	ON	2010/07/28 15:19
S56	42	"362".clas. (spiral$4 with (triangle$4 or triangular or square$4 or pentagon $4 or hexagon$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:22

S57	85	("0831510" | "20020190016" | "2403093" | "2473141" | "2630530" | "3727044" | "3833908" | "3902177" | "4080603" | "4511954" | "4631516" | "4825217" | "4933665" | "4975809" | "5016996" | "5032846" | "5072837" | "5103205" | "5155494" | "5260686" | "5311412" | "5389942" | "5451974" | "5481244" | "5596234" | "5652565" | "5666103" | "5764141" | "5889496" | "5894292" | "5905434" | "5913616" | "5939979" | "5966073" | "5977928" | "6050121" | "6104355" | "6149287" | "6188317" | "6218996" | "6326888" | "6329950" | "6346925" | "6377222" | "6404334" | "6421016" | "6425490" | "6457690" | "6483479" | "6517227" | "6559811" | "6600451" | "6608597" | "6642842" | "6657558" | "6677856" | "6837607" | "D155093" | "D174602" | "D180158" | "D233155" | "D250874" | "D270054" | "D297841" | "D309736" | "D320396" | "D320601" | "D320794" | "D363071" | "D388101" | "D414495" | "D428407" | "D440964" | "D466110" | "D480714" | "RE35635").PN. OR ("7091843").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:24
S58	61	"362".clas. spiral$4 (joint$4 with (pivot$4 or rotat$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:26
S59	49	("4107767" | "4177503" | "4439818").PN. OR ("4607317").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:29
S60	12	("4607317" | "5057981" | "6217194" | "6283612" | "6394623" | "6406166" | "6502955" | "6511206" | "6527412").PN. OR ("6601971").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:30
S61	49	("4107767" | "4177503" | "4439818").PN. OR ("4607317").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:32
S62	68	("1229794" | "1858991" | "2542361" | "2595929" | "3504169" | "3536906" | "4091706" | "4143411" | "4271458" | "4285032" | "4339787" | "4364102" | "4404621" | "4413311" | "4428988" | "4561043" | "4581687" | "4591959" | "4607317" | "4665470" | "4712165" | "4769749" | "4858086" | "4885664").PN. OR ("5057981").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:33

S63	68	("1229794" | "1858991" | "2542361" | "2595929" | "3504169" | "3536906" | "4091706" | "4143411" | "4271458" | "4285032" | "4339787" | "4364102" | "4404621" | "4413311" | "4428988" | "4561043" | "4581687" | "4591959" | "4607317" | "4665470" | "4712165" | "4769749" | "4858086" | "4885664").PN. OR ("5057981").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:35
S64	19	("0516259" | "0522817" | "0925044" | "1529765" | "2008311" | "3079106" | "3768202" | "4627588" | "5057981").PN. OR ("5353570").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:37
S65	7	("4413311" | "4995181" | "5057981").PN. OR ("5329434").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:38
S66	52	("1689485" | "1839479" | "1984986" | "2181889" | "2214447" | "2296893" | "2565635" | "3569689" | "4161769" | "Re18679").PN. OR ("4413311").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:38
S67	23	("1602892" | "1760767" | "20030142499" | "2216220" | "4096379" | "4223377" | "4253135" | "4413311" | "4532579" | "5378552" | "5496657" | "5581922" | "5660461" | "5688042" | "6422716" | "6557282" | "6585393" | "6629771" | "6761471").PN. OR ("7080927").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:39
S68	31	("0499097" | "2424064" | "3641333" | "3653738" | "3920980" | "4045119" | "4194808" | "4411490" | "4439818" | "4688893" | "4929052" | "4950958" | "5054869" | "5057981" | "5113036").PN. OR ("5309541").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:44
S69	17	("3386043" | "3436141" | "4068920").PN. OR ("4194808").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/28 15:45
S70	6	("2595929").URPN.	USPAT	AND	ON	2010/07/28 15:47
L1	221	"362".clas. spiral$4 (arm with (pivot$4 or rotat$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:37
L4	56	L3 (coil or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:41
L3	873	362/249.06,249.14,249.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:41

L5	30	("1473066" | "1669748" | "1734858" | "2948136" | "4214747" | "4637941" | "4805329" | "4854214" | "5208578" | "5396391" | "5980056" | "6124782" | "6363637" | "6364732" | "6398615" | "6437941" | "6475056" | "6588676" | "6906254" | "D342695" | "D413078" | "D449792" | "D480015" | "D487034" | "D497833" | "D505639").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:44
L6	699	"362".clas. spiral$4 coupl$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:49
L7	579	"362".clas. spiral$4 (joint$4 or pivot$4 or rotat$4 or flex or flexibl$4 or hinge$4) coupl$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:50
L8	7	("4413311" | "4995181" | "5057981").PN. OR ("5329434").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:55
L9	640	362/219.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 10:57
L10	5	("6048590" | "6158882" | "6193385" | "6811563" | "7210818").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 10:58
L11	1	(11/333253).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:01
L12	18	("20030219207" | "4082423" | "5097395" | "5849027" | "6135626" | "6160948" | "6234656" | "6450677" | "6520655" | "6536914" | "6637924" | "6786626" | "6826336" | "6832860" | "6883949" | "7021809").PN. OR ("7217023").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:01
L13	24	("4613931" | "4933816" | "4975810" | "5111367" | "5345531" | "5602948" | "5613752" | "5639153" | "5690408" | "5784510" | "5838865" | "5982969" | "6056426" | "6217204" | "6243520" | "6257750" | "6272269" | "6275633").PN. OR ("6450677").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:03
L14	10	("20030219207" | "6160948" | "6234656" | "6536914" | "6637924" | "6786626").PN. OR ("7021809").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:04
L15	1	(10/196368).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:09
L16	11	("4797798" | "5034865" | "6149472" | "6280261" | "6475037" | "6508669" | "6655816").PN. OR ("6758577").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:09

L17	18	("2073754" | "2299283" | "2642246" | "2902592" | "3012801" | "3955079").PN. OR ("4797798"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:10
L18	22	("1085144" | "1834535" | "3270480" | "3508731" | "3721463" | "4064432" | "4074941" | "4167352" | "4228487" | "4797798" | "5197349" | "5260860" | "5419650" | "5599094" | "5632553").PN. OR ("5975727"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:11
L19	8	("1623813" | "5873652" | "6113250"). PN. OR ("6655816").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:13
L20	52	("0922490" | "1629489" | "2197887" | "2278433" | "2279034" | "3387129" | "3621113" | "3622779" | "3735123" | "3735329" | "4034216" | "4079244" | "4107770").PN. OR ("5873652"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:13
L21	14	("4748549" | "5255173" | "5873652" | "6371632").PN. OR ("6517223"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:14
L22	7	("5873652" | "5906430").PN. OR ("6241370").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:15
L23	13	("1870147" | "20020149931" | "20040184269" | "3179792" | "3558873" | "6033092" | "6068388" | "6291936" | "6356700" | "D113550"). PN. OR ("7748871").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:17
L24	22	("3535018" | "3829675" | "4422719" | "4761047" | "5187765" | "5233679" | "5380318" | "5432876" | "5542017").PN. OR ("5708749"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:26
L25	25	("2140972" | "2188821" | "2275621" | "2480393" | "3043038" | "3043947" | "3561145" | "3748456" | "4775964" | "4807090" | "5406462" | "5542016").PN. OR ("5669692"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:34
L26	9	("2480393").URPN.	USPAT	AND	ON	2010/07/29 11:42
L27	17	("0271143" | "0965131" | "1282341" | "3737649" | "4212559" | "5060123" | "5086377" | "5287255" | "5363285" | "5381319").PN. OR ("5647591"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:43
L28	1	(11/371955).APP.	USPAT; USOCR	AND	ON	2010/07/29 11:48
L29	14	("20040183458" | "2335041" | "4271458" | "5118301" | "5372525" | "5967823" | "6039458" | "6210189" | "6265834" | "6422891" | "6793369" | "D424720" | "RE38909").PN. OR ("7264374").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:48

L30	15	("3956575" | "4042291" | "4415217" | "4571018" | "4812956" | "5018055" | "5399095" | "5559681" | "5565728" | "5906513" | "5964518").PN. OR ("6422891").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:49
L32	10	("3633023" | "4204273" | "4335422"). PN. OR ("5018055").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:50
L31	127	("2414866" | "3868671" | "3894225" | "4173035" | "4259709" | "4390097" | "4463411" | "4554419" | "4570206" | "4751627" | "4761720" | "4896251" | "4909189" | "5019748" | "5057981" | "5128843" | "5193895" | "5202168" | "5337225").PN. OR ("5559681"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:50
L34	11	("2414866").URPN.	USPAT	AND	ON	2010/07/29 11:51
L33	9	("2414866" | "3619599" | "4128863" | "4639841" | "4890206" | "4945279" | "5018055" | "5161882").PN. OR ("5552974").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:51
L35	21	("2414866" | "2828473" | "4072857" | "4571018" | "5053931" | "5323798" | "5337225" | "5502624" | "5559681" | "5733037" | "5911493").PN. OR ("6340233").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:53
L36	10	("4107767" | "4263640" | "4950958" | "5027037" | "5150964" | "5379202" | "5410458" | "5559681" | "5688041").PN. OR ("6170964"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 11:56
L37	19	("1863347" | "20040020686" | "20050092971" | "4967324" | "5221139" | "5226724" | "5448460" | "5452187" | "5564818" | "5640069" | "5755507" | "5902962" | "6186642" | "6318884" | "6454431" | "6773130"). PN. OR ("7293895").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:05
L39	34	("20030141426" | "2041847" | "2297781" | "3240925" | "3378678" | "4449169" | "4605995" | "4726552" | "4880193" | "5309334" | "5620247" | "5672002" | "5800054" | "6203179" | "6280056" | "6431515" | "6880957" | "D040216" | "D136799" | "D194800" | "D374496" | "D420161" | "D426336" | "D434165" | "D437957"). PN. OR ("7210811").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:07
L42	33	248/122.1.ccls. (coil or spiral$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 12:09

L43	5	("6585393" | "6695464" | "6715906" | "6758577").PN. OR ("6893144"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:12
L44	6	("6379021" | "6406166").PN. OR ("6595659").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:13
L45	14	("5359502" | "5413825" | "5438840" | "6027228" | "6039458" | "6048590" | "6132063" | "6139168" | "6272584").PN. OR ("6379021"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 12:44
L48	243	"362".clas. (spiral$4 with section$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:24
L52	21	"362".clas. spiral$4 ((arm or joint$4) with swivel$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:27
L54	245	"248".clas. (spiral$4 with section$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:31
L55	10	("1986281").URPN.	USPAT	AND	ON	2010/07/29 13:32
L56	71	("1093287" | "1173984" | "1340550" | "1404258" | "1404259" | "1832563" | "1832564" | "1986281" | "2225936" | "2256641" | "2259673" | "2312670" | "2503287" | "3835272" | "4433365" | "4737892" | "4841417" | "4890203" | "4907135" | "4914555" | "4937713" | "4956755" | "5097399").PN. OR ("5161095" | "5278739").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:33
L57	19	("20040228120" | "20050265033" | "4348716" | "4376965" | "4506317" | "4895329" | "4897768" | "4938440" | "5178453" | "5278739" | "5515246" | "5577697" | "5595436" | "5678921" | "5893630" | "6158876" | "6206542" | "6644827" | "6726342").PN. OR ("7434954").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:34
L58	13	("1832563" | "1832564").URPN.	USPAT	AND	ON	2010/07/29 13:37
L59	3	("20030223230" | "3742208" | "4161020").PN. OR ("7264375"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:39
L60	86	"362".clas. spiral$4 (reduc$4 with (stress or pressure))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:45
L61	50	"362".clas. (spiral$4 with segment$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:47
L63	40	"248".clas. (spiral$4 with segment$4)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:47
L67	1628	362/177,199,249.1,427.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 13:54
L68	21	L67 spiral$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:55

L70	56	L67 collaps$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:56
L71	14	("2894345" | "2911748" | "3184366" | "3704367" | "3819457" | "3846213" | "6179442" | "6273583" | "6607284").PN. OR ("6769796").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:56
L72	7	("3541322" | "6179442" | "6203166" | "6497498" | "6511206").PN. OR ("6607284").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 13:58
L75	17	"362".clas. spiral$4 elbow$4	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:01
L79	4	"362".clas. spiral$4 ((arm or joint$4) with (collaps$4 or reconfigur$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:03
L82	731	362/581,217.13,217.17.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 14:06
L83	245	L82 (pivot$4 or rotat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 14:07
L84	15	("20020168157" | "3033731" | "3989578" | "5204927" | "5376201" | "5465315" | "5572034" | "5615294" | "5657408" | "5938812" | "6195016" | "6304703" | "6418254" | "6441077").PN. OR ("7197218").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:09
L85	6	("4298909" | "4302800").PN. OR ("4389699").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:13
L87	4	(("0599543") or ("1279803")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/29 14:55
L88	23	("599543").URPN.	USPAT	AND	ON	2010/07/29 14:55
L86	22	("1063220" | "1279803" | "1605920" | "1894991" | "3742209").PN. OR ("4305560").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:55
L89	36	("0354976" | "0504866" | "0599543" | "0644860" | "1186428" | "1279803" | "1735949" | "2104198" | "2204508" | "2510198" | "2533494" | "4023757" | "4630185" | "4853965" | "4870964" | "4885667" | "4907137").PN. OR ("5398176").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/29 14:57
L90	452	362/421.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:05

L91	59	(US-20080285283-$ or US-20020131269-$ or US-20030081413-$ or US-20020141203-$ or US-20040076012-$ or US-20080253116-$ or US-20080180949-$ or US-20060120104-$ or US-20040012972-$ or US-20020118536-$).did. or (US-6352227-$ or US-4305560-$ or US-5385500-$ or US-6048590-$ or US-7089878-$ or US-6510956-$ or US-6379021-$ or US-6132063-$ or US-5413825-$ or US-6666613-$ or US-6575605-$ or US-4714222-$ or US-6297498-$ or US-6702453-$ or US-7490950-$ or US-5336536-$ or US-6773134-$ or US-2841901-$ or US-7091843-$ or US-4607317-$ or US-6601971-$ or US-6394623-$ or US-5057981-$ or US-5329434-$ or US-4413311-$ or US-7762695-$).did. or (US-5309541-$ or US-4194808-$ or US-4712165-$ or US-2595929-$ or US-5448460-$ or US-7217023-$ or US-7021809-$ or US-6450677-$ or US-5975727-$ or US-6517223-$ or US-4956756-$ or US-6422891-$ or US-5559681-$ or US-5552974-$ or US-6340233-$ or US-7293895-$ or US-7210811-$ or US-6595659-$ or US-7434954-$ or US-4777572-$ or US-6607284-$ or US-5398176-$ or US-3742209-$).did.	US-PGPUB; USPAT	AND	ON	2010/07/29 15:42
L92	11	L91 (ellips$4 or elliptic$4 or oval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:43
L93	24	L91 spiral	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/07/29 15:57

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